

THIS MONTH WE SALUTE
THE PLATINUM COAST A.R.S.
FOR ANOTHER
HAMFEST WELL DONE

FLORIDA SKIP

VOLUME 14 NO. 6

THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

NOVEMBER / 1970

Price 20c

Notice

Anyone wishing to take their F.C.C. Examination for GENERAL CLASS or ADVANCED CLASS license during the Southeastern Division Convention in Miami on January 23 or 24th should notify the F.C.C., Room 919, Federal Building, Miami, Florida 33130 before December 15, 1970. These examinations are scheduled as a convenience to those interested parties residing outside the Dade County area and cannot be conducted during the Convention if response to this notice is apathetic. So, if your organization is conducting classes or you are an individual studying for the exam and will be ready by January to try for that license, please inform F.C.C.

EX CALLS

And they keep coming. Have you sent in your ex-call? Editor.

WB4RWB ex WB9DMR, RBCF
K4OG ex W4BAM, K1KKZ,
40G

WB4RIL ex WA2ZFW
WB4RIJ ex WA2QNH
W4AAB ex W0LHP
W4AAA ex W0MWO
WA4YJR ex W8BZT
W1RW ex W1LVQ
WA4NHY ex W1IDJ
K4EPK ex W3OIE
WA4QPT ex K2PHG
WB4SHR ex WB4JRT
WB4SHQ ex WB2DAQ
WA4VEM ex W9EJI
W4KDT ex W0KDT, W1KDT,
K4BHG ex K9IHG, KA2KS,
K6NCG, W4YB
W4WWI ex ZL1CG, KG4AH,
W3RCX, W4NDG

A girl named Greta

Greta, a tropical storm of brief duration, brushed close enough to the Sunshine State to cause Florida hams to activate emergency circuits and stand by for a possible vicious storm. On Sept. 25th the National Hurricane Center, on the campus of the University of Miami, predicted a week old tropical depression would organize itself into a full-fledged storm and cross the South Florida peninsula near Miami. Accordingly Eastern Florida SEC, Andy Clark, W4IYT, declared that a Condition Two was in effect. The Florida Sideband Emergency Net was named the prime net for formal communication and everyone stood by in case the prediction of the NHC came true.

Here in Miami, the American Red Cross, on alert, activated K4IWT, under the leadership of

W4IYT. Dade County EC, Ted Wayne, WB4CBP alerted the South Florida FM Association on Two Meters and everyone likewise waited to see what would happen.

During the day the storm vacillated and finally dispersed in late afternoon. She crossed the lower Keys that evening without anyone really noticing. The alert was cancelled.

Loading the EBEN were W4FCP, Sebring and W4SMP,

Homestead. Coordinating the activities of the sometimes threatened Keys was Monroe County EC, WA4QUD. At the Red Cross, operators included WA4ABY and W4ZRG.

Although we weren't needed this time, amateur radio proved again that it is ready when the time comes in a severe emergency. Greta, in a post mortem by the NHC, was described as "A powderkeg that didn't explode." WA4ABY

MIAMI SPRINGS AWARD

The Miami Springs Radio Club sponsors the worked All Miami Springs Award, WAMS. Stations in Dade County, Florida, work 10 Miami Springs amateur radio stations. Stations out of Dade County work 5 stations, and any applicants outside the USA work 3 Miami Springs stations.

The stations contacted must be in the city of Miami Springs, as listed in the CALL BOOK. QSL cards are not required so submit only a list with date, band, calls and two 6 cent stamps to: WAMS AWARD, c/o Florida Skip, P.O. Box 501, Miami Springs, Fla. 33166.



BUSINESS WAS VERY GOOD at the Melbourne Hamfest SWAP Tables, Sept. 12th. This photo by Robert T. Keagle of Orlando shows just one half of the tables set-up for "goodies". See anyone you know??

FLORIDA SKIP, INC.

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Miami Springs, Florida 33166

11

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EDITOR — Andy Clark W4VT
P.O. Box 581 — Miami Springs, Fla. 33166
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BUSINESS MGR. — Betty Clark, W4GQ
ADVERTISING MGR. — Frank Grentt W4JO
Special Asst's — Vapoe Murr, W4FW
Sandy Donahue — W4ABV
Box 581, Miami Springs, Fla. 33166

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Any item in FLORIDA SKIP may be reprinted in any other amateur radio publication in the world with a credit line EXCEPT CARTOONS by W1GSI & Written permission from the editor must be obtained before reprinting the cartoons. —Editor

Dear Mabel KYL Award, c/o Skip, Box 501, Miami Springs, Fla.

FLORIDASKIP CORRESPONDENTS

QNYT, MABEL, THE OLD TIMER c/o Florida Skip, P.O. Box 501, Miami Springs 33166.

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Q.C.W.A. SE Chapter, W4JO
Q.C.W.A. Citrus Chapter, W4PI
Q.C.W.A. Treasure Coast Chapter, W4DFZ
A.F.M.A.S. J.R. Hopkins, W4BND, Coral City

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ARMY MARS, No. 1 K4AZ
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NETS

FMTN, W4LSR, Orlando
QFN, K4EHV, St. Pete
TPTN, W4SMK, Ft. Myers
GN, W4IA, Orlando
726 Net, W4ARV, Ft. Lauderdale
FSBA — K4SRI

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FLORIDORA, W4BAV, Sarasota
Orlando ARC, W4BKC, Orlando
Palm Beach ARC, W4VDM, Melbourne
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Indian River ARC, W4EWB, Cocoa
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10TH IS DEADLINE
FOR ALL COPY

WE NEED
YOU ON
OUR
TEAM



Letters To Editor

Editor,

Having been recently elected to the exalted position of Chief Moron of the Morons of the Kilocycles, a rag chewing net which meets on Sundays at 915 AM on 2660 MHz, would like to know if it can be listed in the Florida Skip Directory, like all the others.

This is one of the oldest net operations in Florida, and Sunday the 24th was meeting No. 890, and has had checkins from all over the U.S. as well as Europe. Think the gang would have fun if they came on in on it.

73,

C. G. Schaal, W4PEI
Tavern, Fla.

Editor:

The Southeast Repeater Association, of which I previously wrote you, is in the process of assembling a Florida FM Directory. Response from known groups has been terrific, with each group sending along a list of FM stations in their area. There are many areas still uncovered as no formal club or association exists in these areas. We would like to include everyone possible in the Directory to insure that it is as complete as we can make it.

If you have some space available, we would appreciate your printing the request of SERA to solicit the Call, Name, Mailing address and Zip of all those who wish to appear in the Directory, with this info to be sent to B.B. Cavender, W4CKD, P.O. Box, Lake Placid, FL. I already have compiled a listing of over 400 and sent them to Rev.

The Directory is a non-profit venture of SERA and the thought of selling the Directory at a nominal fee, say 50 cents, with all proceeds going to each SERA member groups favorite charity in the name of Amateur Radio has been discussed and is in accord with the majority. We feel that this gesture will do much to further the image of ham radio throughout the State.

Any help you may be able to give will be greatly appreciated by all.

73,

John P. Smith, W4GJB
2383 Iowa Drive
Eau Claire, FL 32935

W4YT, Editor, Florida Skip,
I had to drop ham radio for several reasons. Ham radio is a very expensive hobby and with the high cost of staying alive it had to go. I put up a fairly reasonable rig and an antenna when I got my call, and for 6-8 months I sat at that rig and pounded the key trying to get a call. (I got one reply from a guy in St. Pete and 2 local guys, W4NRF and W4BRB, they all said my signal was real good). This was all the calls I got and for the price I was sinking into this stuff I would have to file bankruptcy in less than a year. I guess no one really digs talking to novices. The first of this year, with my job and my wife my first interests, I enrolled in a Civil Engineering Course with I.C.S. and this put my radio (ha ha) off the air for a long time as my studies take up 2-3 hours a night and I couldn't see pounding the key any longer, especially to a deaf or unresponsive ham world. I was real gung ho about ham radio and everything about it for many years but when I tried it myself the bubble of illusion shattered into a million small pieces. Maybe someday when the prices are a little more reasonable I may renew my ticket and try again. 73,

Richard F. Hedman, W4NRE
734 Newark Street
West Palm Beach, FL 33401

Editor:

Robert Adams, K4RA. Boca Raton became a silent key Sept. 10th. Bob was a life long friend. We both were born and raised in Philadelphia. He was well known as W43M and W43W (Washington DC area) and very active. Upon moving to Florida 6 years ago he obtained the call K4RA. Bob had a long and full career in radio electronics, especially with defense electronics contractors. Among those were his employment with Hallcrafters, Packard Bell. He was very close friends with Mort Kahn and Bill Schweitzer. Bob will really be missed by us all. 73 Frank Shannon, K4GT, Tampa.

Editor:

Many thanks for giving me front page coverage in October "Skip" regarding the Society of Wireless Pioneers. I would like to add further information I have obtained since then, regarding the SOWP.

The requirements for membership include also men who have been wireless operators in any of the armed forces as well as commercial ship or shore operators.

The Hurricane Chapter is headed up by Pete Fernandez, W4SM, Greenville, S.C. He is area director for S.C., Ga. and Fla. In addition, there is a Miami Chapter headed up by Dan Laxme W4DL. Hams or ex-hams interested in joining can contact Dan if they are in the east coast of Florida or Pete if they are further north. Eligible prospects in the Tampa-St. Pete area as well as Lakeland, Orlando and the Sun Coast south and north of here can contact me by letter or phone.

73,

Frank Atlee, K4PI
82-318 Ave.
St. Petersburg Beach, FL 33706

Editor

I am enclosing my check in the amount of \$2.00 for one year's subscription to Skip. My pet peeve concerns the use of the name "bertz" which is now used in place of cycle in all electronics.

The use of the word "cycle" was self-explanatory, whereas the word "bertz" means absolutely nothing. Also the Bible states that we should "Honor not the dead". The use of the name "bertz" in place of cycle serves no useful purpose.

Suggest returning to use of the word "cycle".

73,

Russ Conrow, W4YLR
Deltona, Fla.

FROM HERE AND THERE

Vy FB magazine. Keep us informed on FCC changes. SKIP is my only ham magazine ... W4YPPY, Alachua, Fla. ... By all means extend my subscription for another 3 years. Some issues far superior to a publication I have read for more than 40 years ... W4TTE, Clearwater ... Enjoy your little "rag." Keep up the good work, W4YQK, Clearwater ...

WHILE MOBILE
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THE SEA IS NOT FOR ME

By Herb Evans, W4LKT MM

The sailor has returned! W4LKT MM Region 2, declares he's now an avowed land lubber after completing the 1500 mile voyage of "The Pride" almost around the island of Cuba. The 92 ft. steel-hulled bark, with three masts "spaced for 30 meters", held a dipole 54 feet above water. Ship's Captain was hoisted to fasten a bahn on center, and two insulators at the others. Ship's diesel auxiliary was run most of the time for refrigeration and cooking power, so amateur operation was possible from 120V.

Twenty meters was planned, as ports of call were all over 500 miles from Florida. These included Port-au-Prince, Port Antonio and Montego in Jamaica, Cayman, and Cozumel and Yucatan, Mexico.

All on board were grateful for the reassurance of amateur radio, as ship-to-shore was nil. The Captain and several of the young lads expect to be Novice licensed shortly.

We sailed through several tropical depressions. One taking the ship's mainsail and washing the decks with 18 ft.

seas. Our hero "jumped ship" after 10 wet days, to check into a swank hotel. He says the La Fontaine in Cayman had the driest bed, and he heard three hours of music by SPARROW before falling asleep.

The crew of the PRIDE contained only three adults; the Captain, W4LKT, and a University YL. The rest were ten teen-age boys.

Herb carried the NCFX transceiver by air to Haiti, on July 24th. Next day the first Florida contacts were made. W4ZGB was worked aboard his own boat in Bahamian waters. Then, K4CHQ and WB4AWO — Sebring, WA9IVB 4 and W4VIR — Homestead. VIR reported the August SKIP article to Herb. Then, WB4JWW — Jax. Next day, W4CNO — Lauderdale and W4MW in Boca Raton, Herbs hometown.



A storm prevented the PRIDE from making good a port near the ruins of Yucatan. Although only a mile off shore, we turned tail and made the crossing into the Florida straits ending at Bimini four days later.

We worked 40 meter from a dipole and really felt at home. Checked into NOONDAY NET, and thanked W4GDK and the Florida gang for their help. Last QSO was Gene, W4FVW — August 12th.



WE THOUGHT YOU MIGHT like to see a super-duper moon bounce UHF antenna built by Paul M. Wilson, W4HHK A4HHK of Collerville, Tenn. Wilson is a member of Third Army MARS which provided most of the parts he modified in order to build this imposing array. Next month we will carry a story on Paul and W4HHGN who broke the 2,300 MHz DX record. Thanks to Mac, W4FPC for sending this photo. (Official US Army Photograph)

FLORIDA PUBLIC SERVICE CORPS

By Ken W4SMK

Every amateur interested in public service activities should read the editorial in Oct. QST. If the FCC decides to enforce the policies stated in that editorial it would mean the end of many public service activities that we have taken for granted for so long. We hope that the ARRL people may not be correct in this case, and that FCC will not push this new policy, which is actually a very strict interpretation of what an amateur operator can do on the air. Please contact your ARRL Director if you are a League member, and let him know your sentiments.

Incentive licensing has not been particularly good for ARPSC nets since it has forced most of them into the crowded general sections of the bands, in order to assure maximum participation by all classes of licensees. Likewise the recent increase in license fees will have the effect of causing some amateurs not to renew and discouraging some of our younger people from obtaining

licenses in the first place. Now is a poor time to establish yet another road block in the way of those amateurs who try and do a little something to justify having a license.

How the government agencies and the courts can be so strict in their interpretations of some laws and so vague in their interpretations of others is truly amazing. Interpreting laws in the spirit in which they were originally written has become a lost art it seems. The big emphasis these days is to look for the loop-holes and the fine print, if these suit your purpose better than a sensible look at the whole law.

It would be laughable if you were an impartial observer, but these silly rulings have such far reaching effects on us all that no one can afford to ignore them. Every silly ruling and every poor law or badly written regulation causes sensible people everywhere to lose that much more respect for our government and legal system.

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HW-100 MODIFICATIONS

The Heathkit HW-100 lacks one important feature for serious CW operation, selectivity. That problem can be solved by the addition of a switch to allow the transceiver to switch between two filters as in the SB-101 (or 102). There is only one change in the outward appearance of the rig, a lever on the RF gain control as on the

SB-101, and no holes need be drilled.

The chassis of the HW-100 is identical to the one on the SB-101 and therefore the switching arrangement of the SB-101 may be used. The modification of the rig is carried out as in the 101 manual.

The following parts are needed:

Quant.	Heath part no.	Description
1	SBA 301-2	Filter
1	10-208	lock pot
1	462-218	Lever
1	455-11	Split bushing
1	455-52	knowb insert
1	204-737	Filter bracket
1	266-97	Switch actuator
1	60-2	DPDT switch
1	60-4	SPDT switch
1	263-7	Felt pad
1	255-79	spacer
4	250-89	6-32 x 1/4" screw
2	252-15	4-40 nuts
2	254-9	No. 4 lockwashers

and one SB-101 manual. Total cost is about \$25.

The parts are mounted according to the instructions on pages 28, 29, 31, and 32 of the 101

manual. The switches are wired as on page 47.

The headphone circuitry may also be improved by rewiring as in the SB-101 manual and by the

FINAL F.D. SCORES

Trophies to the winners of the "Single" and "multi" class will be awarded at the main drawing of the Miami Tropical Hamboree next January. Winners must be verified by ARRL and appear in QST. Congratulations and thanks to all for sending in your scores.

SINGLE TRANSMITTER

	QSO's	Points
W4OZF (non-club)	1048	9832
K4VFF (non-club)	843	8554
K4KE (non-club)	868	5678
W4AKH Ft. Pierce ARC	177	754

MULTI-TRANSMITTER

W4IZ No. Fla., ARS (Jax)	2333	20066
W4UC Five Flags ARC (Pensa)	1986	12916
WB4LRY (DCARPS) Miami	1526	10907
W4VMT, Biscayne ARC	430	3822
W4LNX, Platinum Coast	989	7033
Gulfstream ARS	735	6030
K4IA Ft. Myers, ARC	—	5850
K4KQ Dade ARC	—	5752
W4NN Eglin AFB ARC	706	4656
K4NP Brandon ARS	750	4600
K4YKY Lake Co. ARS	—	3282

replacement of the phone jack with a 4-lug jack, part number 436-21. This modification results in increased sensitivity of the audio output and causes the speaker to be cut off completely.

A noticeable increase in receiver sensitivity can be obtained by replacing V10 and V11, both 6AU6's, with 6FV6's.

The receiver is then realigned according to the manual.

WILL THE AUTHOR OF
HW-100 MODIFICATIONS
PLEASE IDENTIFY
HIMSELF SO THAT
FLORIDA SKIP MAY GIVE
PROPER CREDIT IN NEXT
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QRP SOLID STATE TRANSCEIVER
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(SEE JUNE QST)

FROM

54⁹⁵



WEST PALM BEACH ANATEUR RADIO CLUB, INC.

By Clara B. Stables, WB4NKR

Fifteen eager would-be amateurs, ranging in age from 18 to 69-odd, joined our fall novice class. Club President Harold Kilpatrick, WB4NPN, teaches the code and that ebullient old pro, Gene Sykes, W4BRB, handles the theory.

Twenty aspirants to up-graded licenses are instructed in advanced theory by another veteran, Manny Papandreas, W4EPO.

As of October 1, 1970, we are the proud lessees of the building at 823 Newark Street, West Palm Beach in which we have been meeting. All area and visiting amateurs are invited to attend our meetings each Wednesday at 7:30 P.M.

It is a sad commentary on the women's liberation movement that we have but two girl members — and not very young ones, either! We thought you YL's and XYL's liked to express your views. Here's your chance to do so — both in CW and in Voice. Come on in and take advantage of it! See you in class next Wednesday.

QCWA SOUTHEASTERN CHAPTER

"VT-4 Night" has come and gone. 26 members and guests of the QCWA enjoyed an evening dinner October 18th commemorating the famous VT-4 vacation tale of the 1910-1920 era. A surprise auction, which proved quite a mystery the Lowe 3NF (1925), perhaps the very first "compactron". This tube, the size of a 20GA, contains three triodes, complete with necessary components to make a three stage resonance coupled amplifier, all self contained and internally wired, perhaps 50 years too early!

We welcomed the following visitors, W6PM, W4HQ, K4FL, W4NE, K4CEA, W4AEX, W4OLW, and W4OLV, and of course the ladies. We want you all to be with us next month, the evening of November 5th. This will be "VT-5 Night" commemorating the world's first peanut-tube.

This will also be 50 Year Award evening and promises to be quite exciting for W4BJ, K4TT and W4OB. Our chapter is honored by having these veteran members with us. The Golden Anniversary Award will be presented to these distinguished members by our Chairman W4GJ on the evening of Nov. 5th.

Don't forget, every Sunday Noon to 1 P.M., 7354 (40 meter SSB). This is the State-wide QCWA net conducted by W4YPA. All QCWA members are welcome. Meet the AM boys on 28.360 following the QCWA net. Don't miss the next Dutch dinner, Nov. 5, 8:30 P.M., Smittie's Coffee Shop, 3300 N.E. Second Ave., Miami, Fla.

W4JO, Secretary

BREVARD REPEATER ASSN.

John P. Smith, W4GJB

I am presently Secretary to the Brevard Repeater Association, (BRA) and the Southeastern Repeater Association, (SERA). BRA owns and maintains an open 34-76 repeater located at Cocoa Beach, Florida. We have monthly meetings and generate a monthly newsletter.

SERA is an organization consisting of

repeater associations throughout the State. It is the mission of SERA to achieve compatibility of repeater operations within the State consistent with the minimum amount of intra-repeater interference. It is also the aim of SERA to provide assistance and guidance to newly formed repeater groups in building, maintaining and operating their repeater; the end result being State-wide compatibility.

Due to geographical differences, many persons interested in repeater operation and topics concerning FM are unable to attend the hamfests at which the SERA meetings are held. We are hoping that through "Skip" we can make this information available to these people. More next month. B. John.

FLORIDORA YLS

By Cathy Soehl

WB4V AREA ARNS

W4LEM, Annette Thompson arranging a Floridora luncheon for Nov. 13th, in Fort Lauderdale. For details contact Annette, 1401 S.W. 16th Court, Phone: 523-8332.

W4AAB, Fran Propert got a "thrill" and scored a point for ham radio, when demonstrating how ham radio works (to some friends), having JYL - King of Jordan answer her "CQ". (This was before the recent Jordan crisis.)

W44PXN, Neta Magnuson and OM, Newt, WB4SSZ on another freighter trip. W4AFJN, Rosalie Billman received a card from Posen, Korea, telling of dodging a typhoon and purchasing a SSB Transceiver in Yokohama. Last report, headed for Kobe, Japan, 1 port stop and then across the Pacific to San Francisco, in their drive home.



SANDY DONAHUE, WA4ABY, OPERATES from poolside, at the Miami Springs International Swim Meet last August. The Miami Springs Radio Club, (K4OSQ) handled phone patches and formal traffic from the event, all over Florida and the Caribbean. (SKIP PHOTO)

W4GAN, Melba Jibb and OM, W4JDG, Bill made a trip through Central Florida; had an eyelash with K4WXS, Lee Konarian before proceeding to Jacksonville, their former home.

K4CVR, Bessie Foss and OM, K4CCK, Ray, enjoyed a trip to Wisc., Mo., Kansas; N.M.; Arizona, spending some time in Tucson, their former QTH.

K4RHL, Elie Horwar off for another trip to Africa, with a stop in Rome on return trip around 2nd week in Nov.

W4BAV, Cathy Soehl won a Regency 500 CB Transceiver, with Stringer Mobile Whip Antenna, at the Melbourne Hamfest. Anyone for CB?? HI!

W4GGQ, Betty Clark was welcomed back to the Floridora Net. Now the Stormies are all in school, hope she will be a regular check-in. How about it, Betty?

WESTERN FLORIDA NEWS

By Frank M. Butler, Jr. W4RKH

Pensacola: W46SSB took part in the FMT. WB4DVM, K4AKL and WB4LJE are working on 450 MHz FM rigs. K4LAN was appointed RM, and W4UUF as VHF-PAM. K4FKV and K4LAN are working on facsimile machines for copying weather satellites. G4H Revenue. W4JBN is active on 75m SSB.

FL Walton Beach: Some 45 local hams took part in gathering election returns, using 2m FM, 10m AM, 75m SSB and amateur TV. New officers of the NW Fla FM Assn. are: W4SMS, WB4EQU, W4PDJ, W4MMW and W4LUXW. The new W4ZBB radio was used to report results of a sports car rally. Also taking part were K4UBR, WB4KX, W4RKH and W4PDJ. Communications were through the W4KLT repeater. W4BVE returned to

school at Suwannee, after 30 years! WB4NHH is still having CW rig trouble.

Panama City: K4VFT got married and is working on M.S. degree in Tennessee. WB4LEL just got his General, as did WB4RDG. Marianna: K4UNT and W4ASB got their First Phone tickets. W4KCA and W4IKB assisted in collecting election returns.

SUNCOAST ROVING REPORTER

By Cathy Soehl

WB4V AREA ARNS

Sarasota Amateur Radio Society is holding a Code and Theory Class for prospective hams, every Wednesday at 7:30 PM, at The Ham Shack, 1966 Hillview, Sarasota. W4DYB — "Orzie" Osborn is teaching the theory and WB4EHX, Phil Anderson the code.

MAHAC (Mobile Amateur Radio Awards Club), new County Sponsors Organization, Freq.: 2800 kHz at 0100 for QSV purposes; 14336 kHz; 3843 kHz at night and 3900 kHz at 1 AM. W4EBMC, Bertha "Big Mike" Egbert is Information Center.

WB4PHI, Sheriff Boys Ranch Radio Station, Lee Oak, was dedicated Oct. 4th, at a barbeque and Open House. Special QSL cards sent to all contacts that day.

W4WHE, Larry Loper, at the Melbourne Hamfest, says he likes his new location and job but misses his Sarasota friends. New QTH: 205 Capri Drive, Murrell Island, 33961.

WB4ISZ, Jim Hall, who was in the Sarasota hospital, having suffered a severe heart attack, taking it easy recuperating at home. Congrats to Jim and Maude, W4AMEA, celebrating their 6th wedding anniversary.

W4NOK, Jack Adams and XYL, W4ANFA, Frances have returned to their St. Pete QTH permanently, as they will no longer go to Ocean City, N.J. to operate the hotel.

W4WME, Bill Foley was speaker at the SPARC Oct. meeting; talking on "Good or Bad Feed Lines".

W4AFID, Hal Bates only Honorary Member of the new QCWA Citrus Chapter.

COUNTRY COUSINS

By Stan Offenbutter, K4BLM

Welcome back to Ray, W44YVH and Mikrod, his XYL, from vacation at Franklin, N.C. Also to Ben, W4SEG and Mary, his XYL, who had a nice vacation in New England.

Chet, W44VRU, our Chaplain, has a new toy to play with, an SBE4 which he hopes to have mobile soon. Chet is doing a wonderful job as our Chaplain and alternate NCS on Friday night.

Walt, W4PWB and Edna, his XYL are back in their home in St. Pete; we hope they have things in shape by now and enjoy their surroundings.

Congratulations to our new Sunday alternate NCS, Phil, W4BCZ, he certainly puts in a potent signal down here, also to Bert, W4EHR who will be our Tuesday alternate NCS.

Bill, W4GHR and Cathy, W4BAV had an enjoyable visit with Bill, W44WFW and family. Those two sure do get around — more power to them!

Welcome to a new cousin, Bill, K4JLF of Waynesboro, Ga. who does quite a bit of

gallivanting around.

Attention to all: Don't make any dates for November 7th, as this will be the day the Country Cousins will hold their Annual Jamboree and dinner in Tavares. Please check in for further details.

A welcome to all to join us every night at 10 p.m. on 3970 KHz. A certificate is given by the net. For all particulars, please check in.

FORT PIERCE RADIO CLUB, INC.

By Bill Craze, WB4MDQ

During the period of concern over the tropical storm, the plan of communication that our EC Jake, W4NTE, devised with the help of other club members was executed for our first actual try out. All went smooth and we now know that our plans will work under emergency circumstances.

Our code classes push on with many successes. We have added to our instructional equipment by enlisting the services of a very good piece of equipment with which we can enact a CW net. It provides everyone with a key and it is going to be an important tool to aid in the instruction of actual CW net operation.

Our club on the air CW training net is moving along very well. It is the Treasure Coast Net (TCN). TCN meets every Wednesday around 1740 MHz. at 224GZ. Everyone is invited.

Along with other activities this month besides the On the Air Boy Scout Jamboree, we are getting a picnic a la barbeque style on the drawing board, complete with emergency power and equipment. More practice for next year's field day.

DAD RADIO CLUB

By Paul Norman, WB4IGC

Dade Radio Club had its regular meeting, the first Tuesday of the month, at the QTH of Chuck Bolvin K4KQ. Our newly elevated president, John Steel, WA4UCV kept things going at a lively pace with the able assistance of our secretary Evelyn Kasmara W4WYR. John was moved up to the big chair when Rex Tolbridge W4BYB found his work load at Pierce Simpson dictated his resignation. K4KQ was voted in as Vice President for the rest of WA4UCV's term. Tracy Levy W4HOS was voted in to Chuck's board member slot, so we are again organized now that we're finished with the musical chairs.

A Tropical Hamboore ticket Chairman was subbed in the person of Paul Krug W4LGP and ticket prices settled on. We managed to hold the advance sale price to \$1.00 but will be charging \$2.00 at the door so contact LCP for those cheepies.

I'm sure everyone knows the Hamfest will be January 23 and 24 at the same old stand.

Just to prove that truth is stranger than fiction, Jay Hecker, WB4HDE, was very quiet at the meeting. Could it be that Carol, who was with him, has found the gain control on Jay? We'll see how it goes next month.

VERO BEACH AMATEUR RADIO CLUB, INC.

By Groves, W4DPZ

The Vero Beach Amateur Radio Club, Inc. resumed activities 10 Sept., 1970 with the following present: Tom, W4KEE, Pres.; Groves, W4DFZ, V. Pres.; "IJ", W44SCK, S-T. Also Henry, K4EPK, Chuck, W4NPS, Bob, W44QUI; and, our Civil Defense Director and honorary member, Fred Prestin.

In addition to Bob, W44QUI, "IJ" and Tad, K4AGU produced the following novices from their recent code and theory class: Jim Keen, W44QVN; Bill Laconis, W44RNE; Gene Pesant, W44ROG; Jim Runnak, W44TGW. Congratulations to you.

The INDIAN RIVER COUNTRY AREC NET held its regular session Wednesday, 16 Sept. with SCK at CD office as NCS. The QNI's were low as many are still up north, however, the following were on hand: K4EPK, W4LEP, K4AGU, W4DFZ. Thanks to Bill, W4RNI of CD Ft. Pierce (St. Lucie County) who joined us.

Our second meeting which is a bull session, found us signing up another new member John Van Dyke of Setawket, N.Y. John also signed up with the newly formed "TREASURE COAST" chapter of the QCWA.

Activity plus at CD HQs these days, SCK, LEP and EPK installing SW's to interchange antennas and equipment. They also changed the stacked "J" from H to V polarization. The City of Vero Beach had their cherry picker on hand to reach the beam.

GATOR CHAPTERS, QCWA

By Wes Edmonds, W4TPA

Creetings to all you Gators and my apologies for not having an article in the works the last two months. The XVI and I had a wonderful vacation in the Rockies and had the pleasure of working several of you Gators. Welcome back our members who were on vacation.

Les, W4DH has taken off on vacation in New Jersey. We all give you a pat on the back Les for doing such a fine job as acting net control while Bob, W4YK was on a safari beating the bushes for some new jokes and Hal, W44TU was resting comfortably while painting, carpentering and plumbing in the wilds of the Northland.

We of the QCWA are indeed honored to have Dave Stocky, K4KE a member of our Chapter, and join with all amateurs in congratulating him on receiving the Florida Sidebanders Assn.'s Sidebander Award-of-the-Year and of giving so generously of your time and talents at the Sheriff's Bay's Ranch in Live Oak which was dedicated on the week-end of Oct. 4-5. We also thank all Gators who gave of their time and equipment to help make this worthwhile project such a success.

By the time this item has gone to press we will have kicked off our fall and winter season at the Causeway Inn with our first monthly dinner meeting. Those of you who were not able to attend will learn from the grape vine what a good time you missed so try and make the next one and be sure and get on the net on Sunday mornings at 9:30 A.M. and help snow under our YOD-DELING KIBITZER, W4YK. Old Bob, 73's.

NOFARS NEWS

By Billy Williams, W4JFW

As Election times nears, NOFARS is turning it's attention to acquiring a permanent club meeting place and space for the club station, W4IZ. Three of the Board of Directors are on a committee which is checking all possible ways.

The annual auction at the September meeting was a big success and a club picnic was planned.

NOFARS is proud to be the winner of the

multi-xmtr. FLORIDA SKIP Field Day Trophy and hopes to make it six consecutive years. Also congratulations to the winner of the single-xmtr category.

Our membership continues to grow and has passed the 70 member mark. 10 new licensees recently graduated from our training program. Their calls — Howard Schneider W4ARC; Webster Williams W4ARCS; Dee Bartley W4ARCT; Richard O'Neill W4RCU; Frederick Izzard W4ARCV; LaJuana Fleming W4ARCX; Don Fleming W4ARCY; Reggie Izzard W4ARFH; Sue Wilson W4ARFL (tech.) and Glen Kelso W4ARKD.

BRANDON AMATEUR RADIO SOCIETY

By Gene Burton, W44YNW

Guest speaker at the October BARS meeting was Bill Gamatz, of General Telephone, who explained and demonstrated oscilloscopes.

Plans are almost complete for BARS Turkey Shoot, to be held on Nov. 7 from 9 a.m. to 9 p.m. 2 miles west of Brandon on Highway 60. A raffle drawing for a Browning Automatic and other prizes will be held at the conclusion of the Turkey Shoot.

Dale Ward, WB4LIP, miraculously recovered from extensive, severe burns he received in an accident on August 19, returned home from Jackson Memorial Hospital on October 2 and returned to classes at Brandon High the following week.

Lou E4ASP, vice-president of BARS, has sold his home in Brandon and is renting a home in Tampa until his new home is built in the Brandon area.

The Novice class which started October 13 has been well attended. Bill, WB4NUU, and Lou, K4NP, are conducting the class. BARS had a good turn-out (in green vests) at the HARS Tampa Hamfest.

GULFSTREAM SOCIETY

By Alan Harp W44SVH

On June 11, 1970 our two youngest members; David DeLonga, 12, W44PNG and Niel Sumnerfield, 14, W44PKP, took the General and Advanced class license examination. Both passed and are now on the air with the "N" replaced with that big "B." All the members of the society are proud of Niel and David for their accomplishment and are proud to have them as members of the Society.

Our newest member of the Society is Miss Andra Pollard, W44NCH who attends Palm Beach Junior College and is sightless. She is our first YL member and is most welcome.

Don Moe, W44YIG has left the area to go back to Gainesville to attend the University of Florida. He will be missed by all.

Mr. Robert Groves, W44PYQ, curator of the Science Museum and Planetarium of Palm Beach County, addressed the Society on September 25. He discussed all types of SWL activity from VLF to beyond VHF. He was warmly received and a good

discussion followed.

At Salt, WB4AID reports that he keeps in touch with a former member, Warren Little, W44EFA by working him Sundays at 1300GMT on 7000MHz. Warren is in Burlington N.C. where he is employed as a design engineer for Western Electric. Warren plans to visit the Palm Beaches and the Society during the Christmas Holiday season.

Members of the Society can be found on Sunday mornings at 9 AM local time on or about 7.275 KHz. We try to pick a clear frequency so you may have to tune for us. This is not a net but an informal round-table. Everyone is welcome to join in.

DELTONA HAMS NEWS

By Jack Six, W4YPA

Deltona CD Net met every Friday night 7:30 PM during Sept. and handled the usual simulated emergency traffic. Good attendance on net.

Lee, W4TNE was released from Hospital Sept. 4th. We are glad to have you back home Lee.

K4LZ, Tom arrived home from vacation Sept. 4th and checked into the CD net on the same evening.

WB4QPH Clarence Wadley is now in their new home in Deltona. He informs he that antennas will be up soon and on the air.

Just received word that W4YLR, Russ, was admitted to the Seminole Memorial Hospital, Sanford, Fla. October 1st.

We are remembering our sick members in our prayers and will offer a 10 second silent prayer for our sick and Silent key on our next CD Net.

Yours truly is in the act of changing beams (taking down a mono band and putting up a TA 33 Sr. Also have added SB101 and SB200 to the shack. A little change in gear gives a renewed interest. 73.

BROWARD A.R.C.

By Jim Wilson, W4GDK

We felt fortunate in having at our September meeting the fine slide program and recorded commentary about the ARRL headquarters both past and present. Anyone who has been active in League work and getting mail from them is interested in what they look like. We now have a better appreciation of how this large organization works.

At our October meeting Dick Guter WA4ICG of Ft. Lauderdale is going to show his collection of antique radio equipment. One or two others have been invited to bring their collections also.

These collections should bring back tender memories to anyone who started in ham radio many years ago. With almost 50 years of hamming it's not hard to recall when radio was so uncomplicated we could make nearly all our equipment. It was rare that a ham could buy a finished transmitter or receiver. Such items were very scarce and beyond the reach of most ham pocket books. We wound our own

(Continued on Page 8)

A lot of people think hams just fool around with radios.

Suddenly, your "fooling around" is frequently the only way of transmitting messages of help and hope. Of course, you didn't become a ham just to help out in a disaster. You became a ham because you just wanted to be a ham. But you've made your hobby an invaluable public service. And FPL is grateful. We remember. A lot of people thought Edison was just fooling around with electricity, too.



"loose couplers" on cardboard boxes, and our honeycomb coils on towel rods, and often keyed in the high voltage of our transmitters. My first phone rig was A.L. (absorption loop). One turn was looped around the transmitter coil and a mike put in series with it. Unless very careful, sparks would jump to the end of my nose.

A 40 nursing bottle chemical rectifier did what tube or solid state rectifiers do now.

Yes, Amateur radio has changed a lot. Let's make sure it's for the better!

Broward A.R.C. meets the second Wednesday of each month at the Broward County Courthouse in Ft. Lauderdale at 7:30 P.M. Ask the guard in the lobby for the meeting room number. We hope you'll attend.

If you're interested in radio — we're interested in you!

DADE COUNTY ARPS

By John Aikens, WB4KQR

Thanks to all who attended our first annual Miami Auctionfest a great success. Next year's Auctionfest shall be bigger and better. All of your suggestions will be considered by the Auctionfest committee.

Congratulations to the newly elected officers. Elections were held at our meeting on October 3. Our president, Devern Dean WB4LBB was re-elected president. Don Murray, K4FMA, was elected Vice-President, and John Aikens, WB4KQR, was elected Recording Secretary. Treasurer, Sandy Donahue, WA1ABV, was appointed to fill the newly formed position of corresponding secretary.

The Novice and General license classes are going along fine at J.F.K. Community Junior High School. The Novice class begins at 7:30 P.M., and the General class begins at 8:15 P.M. Theory is being taught by WB4LBB, and code is being taught by WB4KQR.

The Corps' Viking Challenger was loaned to Steve Kaplan, WN4SJK, on a temporary basis.

Once upon an Auctionfest celebration, Ross, WB4PWD, discovered a new way of going maritime mobile, but didn't have time to take his 40 meter antenna to the pool with him!

Having enjoyed writing this article in the past, I turn it over to Sandy, WA1ABV in the hope that he will find the same satisfaction.

You are invited to attend our meetings each second and fourth Thursday, at Monsignor Pace High, 15600 NW 33 Ave., Miami, Florida, at 7:45 P.M.



EVERY YEAR THE WEST Florida Phone Net has a picnic. This year it was held at Saads, 3 Rivers State Park on August 15th. Left to right: WA1ISJ, WB4GT, WB4LOQ, K4VWE, W4BLM, K4SVX, K4LAN, W4RKH (SCM W. Fla.) K4ADM, WA4EOQ and K4B-DY. (Photo by WB4PFV)

CITRUS QCWA

Tommy — K4LV

Citrus Chapter members and families held a regular meeting on Sept. 12th at the Trade Winds in Melbourne — it was a joint meeting with the newly formed Treasure Coast Chapter. Treasure Coast is centered around Vero Beach. QCWA members invited, see Grover, W4DFZ. Our Chairman, Bill, W4PI, officiated and did his usual fine job with just the right speed so everyone was content. Bill Symone, K4IH, was presented his 50 Year Certificate and short talks were given by Wes Edmunds, of the Gators, Grover Gieswuch, of Treasure Coast, Elmer Hoddleson, Hal Bates, and Jack Six. The meal was good and everyone seemed happy.

Don't forget Citrus Chapter net Saturdays, 8:00 a.m., 7:35. Our new NC, W4PIQ, does a speedy job. Please call in and see who's on first! Then there is the Sunday net at noon by W4YPA, same frequency.

Our next meeting — a luncheon at Mt. Dora Community Building. Ken Aikens, W4PIQ, will need to know who expects to

be there Saturday, December 12th at 12:30 P.M. Please don't wait to write to him. These meetings are fun and the food has been wonderful. You can't afford to miss them (especially, at about \$2 each). Citrus Chapter has lost another member. W4MY, Herman, has left for the "BIG SHACK" — air sympathy to his family.

TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

Our second meeting of current season was held at TARC clubhouse Monday, October 5th. A good turn-out heard Frank Ziegler, club member, give a talk on airborne communications in USAF, historically, from 1940 to date.

George Orth, W4HTT, our code-class instructor is to be again congratulated. Three of his students have passed their respective FCC Novice Class exams and soon will receive their call signs. George is not getting into "full-swing" with his new code-class students. His newest student is a YL, Betty Harris, a graduate nurse. All members are requested to

recruit and spread-the-word regarding TARC free code-classes, held every Thursday evening at TARC clubhouse 7:30 P.M. local time.

A bouquet is in order to our Cy Connolly, W4DVO, for his timely mailed-out meeting-notice. At the risk of being boring, we again are calling for increased participation in our TARC VHF NET. Remember, it is on-the-air every Thursday at 8 P.M. local time, 51.45 MHz, AM, vertically polarized.

Jim Hoehn, WB4MLF, certainly is very active on RTTY (RATT), both in USAF MARS and amateur bands. Jim is constantly bettering his teletype gear with all the latest techniques. He uses a Drake (HB) receiver to insure the required frequency stability for 170 cycle FSK. His RTTY converter is the latest in solid-state components. However, Jim has learned that near-by lightning hits really damage solid-state items.

Jim Bingham, W4KRC, is constantly building items for his shack or antenna-farm. We have not heard much from Jim on his favorite antenna-item Baluns, lately. O.G. Dodson, WB4DJM, has moved his shack to another building on his estate. He is really prettying-up.

73.

SUGGESTED READING

Every amateur in Florida and the USA should read "The Noose is Getting Tighter" by Marshall Lincoln, W7DQS in the Aug.-Sept. issue of Science and Electronics, pages 64, 65 and 99.

Mr. Lincoln really lays his cards on the table over the increase in license fees which are being forced on us and all other services by the "Friendly Candy Company" located near the Potomac River . . . Mr. Lincoln has a winner and we are sure you would agree.

Editor-in-chief of S&E is Julian M. Sienkiewicz, WA2CQL, 229 Park Ave. South, New York, NY 10003. Single copies of Science and Electronics is 75 cents.

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IN MEMORIAM — K4RX

By Len Ballard, WB4AHR

This is the story of a "Ham's Ham". When Charlie Morenus, K4RX, ex 6RX, 7CO, W6RX, KV4BK and W4RX became a silent key on June 24 it went relatively un-noticed in Florida ham circles, as Charlie had been in gradually failing health for some years and had been inactive. To those of us who knew him personally, however, his passing invoked thoughts of happier days, when Charlie had been active on the ham bands setting records which will stand as a goal for the DX minded for many years.

Charlie obtained his ham license in 1912 at the age of 15. As soon as he reached the legal age limit of 18 he obtained his commercial radio operators license and sailed as radio operator on ships in the Pacific for many years. During his career he used open gap, quenched gap, and rotary gap sparks and ARC equipment. Following a stint of shore duty in 1932 he joined the forerunner of the present Federal Aviation Administration, then known as the Airways Division of the U.S. Lighthouse Service. Retiring from the FAA in 1957, Charlie settled in Hernando, Florida. He was first, last and always a CW man, and detested those "pesky Teletypes" the FAA was installing to replace manual CW circuits during the 30s and early 40s. He strove for assignments beyond the end of the line, where the teletypewriters had not yet been installed, and ended up in the Virgin Islands, where he was stationed when he retired.

Charlie was noted for his excellent sending "fist." The writer recalls working him for a period of time during the early thirties when he was assigned to the Key West FAA station, where those pesky teletypes had not yet been installed. He was a considerate operator, and whether the guy on the other end was just starting out in the business and could handle only 18 wpm or whether he was a hot shot and wanted to paddle the bug at 45 wpm Charlie would accommodate him and adjust his speed accordingly.

This man had a genuine love for the art of radio communications, and during his tenure with the FAA would

finish a days work pounding a key and fighting static, come home and find relaxation in working a ham on the other side of the world.

Although Charlie Morenus is a silent key, his memory will be around for a long time and his accomplishments will serve as a goal for the fast vanishing breed of CW addicts.

NEW CALL BOOKS

The latest Radio Amateur Call Book, 1970 Fall edition, is now out and the printing is in four columns instead of three. With a change of letters to different elite type it is still fairly readable without squinting. Totals show that there are 206,051 licensed Amateurs in the 50 states, a slight decrease from the summer count. But there was an increase of 6,215 new licenses issued, so there must have been quite a few drop-outs, possibly due to fees. Increases were shown in Novices, Advanced and Extra classes both nationally and in the state of Ohio. Regardless of some of the comments read in some magazines, the incentive licensing is showing progress, along with new training programs. Foreign licenses now show 169,327 with 3518 new licenses and percentage increase much higher than in the U.S. Not to leave them out, the YL's now total 10,102.

(From SARA SLIP.)

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FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

It's nice to hear our self named "Old Man of the Net" Ed, W4KHY back with us again.

Bill, W2ZAK spent a few weeks in

Central Florida visiting his family in Winter Park. He attended a meeting of the Orlando ARC where he enjoyed "eyeballs" with many of our Club members whom he has worked from Tampa.

Both our new members are in locations where we need the coverage badly. Al, WB4AID in Lake Worth and Henry, WA4OWG are most welcome. Biff, WB4MIQ was a FB substitute for Ted, WB4CBP as Saturday NCS a couple of weeks ago. Speaking of substitutes it was intended that Steve, WA4RUE act as alternate NCS for Bill, WA4RQR.

We are real pleased to hear Charlie, W4AKB checking in again. Both he and his house were on the sick list. Ruth, WA4HED has been having station problems. First it was antenna trouble. Now she has a blown transformer and is waiting for a replacement. Hope you get back with us soon Ruth. We all miss you.

It has been a long time since we did any recruiting for the FMTN in this column. Many new listeners may not know that we welcome all modes to check in to the net. And should you wish to have your station added to the roll call, send a formal message to our Net Manager Clyde, W4SDR or our assistant Net Manager Herb, K4DAX stating your name, call letters and QTH and advise what day or days you will try to meet the Net. Join with us in these sessions which train and prepare us for possible emergencies which we hope, will never occur but for which we all as licensed Amateurs, should be ready. FMTN held 25 sessions in September. 713 checkins handled 277 messages. Average stations 23.5. Av 1/2 11.

FLAMINGO NET

The Flamingo Net which meets on 26.044 every Friday evening at 7:30 PM is now going full blast with all vacationers back

in the saddle except W4GQJ, our world traveling treasurer who promised to leave the money at home.

Walt, W4GJ, has been busy heading out certificates all over the world to new Flamingo Members. You must work 10 Greater Miami members to qualify. This is the 10 meter band, AM phone recommended.

This net sponsors so many side activities, such as the 10 10 International activities, RAY, QCWA, Hidden Transmitter Hunts and picnics that there is fear we may drop the annual Flamingo Barbecue this year, for lack of interest. Last minute plans may fall in favor of a meet sometime in late November for members and their guests if we can get a 50 percent vote.

From all indications, this winter promises to be the high light of this sun spot cycle, which is so important to our skip operators. This may be the greatest year in our history because of the influx of 80-90-20 and 15 meter hams who have discovered our 10 meter band welcome their ancient modulation. Most of us are very proud of our high quality audio and find the band affords ample space from congestion as seen on the lower bands. The Flamingo Net welcomes you to join us this Fall and Winter.

W4IG Activity Manager

FLORIDAFAA NET

By George Cooper W4EH

We start things off on a sad note as we record the passing of Mrs. Blair Pearson, Dover, Fla. KYL of W4LJU "Pete" Blair Pearson. Our thanks to W4JVA Paul Colby for relaying this news via amateur radio and notes of sympathy was received from regions of the FAA throughout the world.

I thought with the autumn months upon us vacations would not be in order so what happens! WB4AIW The Elmer Birchfield's off on a plane trip around the world. WB4AHR The Les Ballard's contemplating a trip to the Virgin Islands sometime in December. K4PR Al Hendrick back home from vacation. K4IV Bill Schroeder still on vacation. W4YB Stark Tolan at last report has left Vt. and heading home for Stuart.

K4MY Ralph advises he has completed a frequency splitter and adjusted with WWV works fine. Ralph is also planning and gathering information for a quad antenna for the higher freqs.

During one of our Sunday net meetings your editor took a poll of each net members years of hamming. AVERAGE 42 years... BOY talk about oldtimers.

W4JVA Paul Colby working on a new listing of FAA amateurs who participate in the Sunday and Monday FAA amateur who participate in the Sunday and Monday FAA Nets. A copy of this list may be had by sending a self addressed, stamped envelope to W4JVA Paul Colby 16 Camelia Dr., Ormond Park, Fla. 32074.

Please use the large business type envelope.

During the month of October the net had several stations check in that was very interesting. W4JJA mobile a pilot, W4YY Ray operating maritime mobile, The SS Gulf Queen, and WA4GCK U checked in from the CD Sea.

The FLORIDA FAA NET meets each Sunday 1345GMT 7260KHz.

GATOR NET

By Er, W4IA

Bill, W4RHA and Dewey, W4BM have been adding to the growing list of those holding Gator Net certificates. With the arrival of the Fall season we hope to see increased attendance and more traffic. Gator doesn't pretend to be a "big" net but it does claim "quality."

The recent loss of some of our mainstays is being offset by several new reliable, but the showmen are still hard to take. Bill, WB4AIW is off on another trip (Europe this time, we understand). Ham, K4SJB has left the air for an indefinite period. We lost LJ, WA4GCK some time ago because of the pressure of other activities. And now Bill, W4RHA reports that he will be off the air about a month while at a health resort.

As a new comer to Florida, W4IA notices that even some of the old time Floridians can't place the locations of many of the license-holding towns. This applies to all nets, not just Gator. As a suggestion to aid the NCS in routing traffic, it would help if the holder of messages for such towns

ARRL W4/K4 QSL Bureau

PAT PARRISH, K4HXF

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Certified by IRS for full tax-exemptions on all donations and gifts.

Remember Us In Your Will!!!

(See page 13 for more details)

FLORIDA SIDEBAND ASSOCIATION

Meets Sundays 2200 GMT - 3940kHz



FSBEN - Thurs.

3940kHz

0030 GMT

FAST Net

Daily

3940 kHz

2300 GMT

A FRATERNAL ORGANIZATION

All Sidebanders Always Welcome

DADE RADIO CLUB, INC.

W4HYU

SPONSOR OF TROP. HAMBOREE

MEETINGS -

3rd Tuesday

Each Month

At Museum of Science and Natural History

3280 S. Miami Avenue
Miami, Florida



TOP TWENTY TRAFFIC TAKERS

1. WB4OMG	137	11. W4NGR	52
2. WB4MIQ	136	12. WB4FJY	51
3. W4FFF	135	13. K4IEK	45
4. WB4HJW	133	14. W4YPP	34
5. WA4IJH	123	15. W4KGJ	34
6. WA4ABY	101	16. WB4KPK	29
7. WB4HKP	85	17. WB4HNL	28
8. W4EHW	85	18. W4BFQ	28
9. WA4HDH	61	19. WB4GHD	26
10. W4DVO	61	20. W4FP	26

TRAFFIC HOUNDS

Net	QNI	Avg. QNI	QTC	Avg. QTC	Sessions
FMTN	713	28.5	277	11.8	25
QFN	611	11.1	332	6.0	55
GN	285	9.5	148	4.9	30
FPTN	437	16.8	125	4.8	26
TPTN	603	19.0	114	4.5	26
7285	46	11.5	8	2.0	4



WORLD SKIP

By Joe Poston

K4EXT K0CCE PJRNN
DX-Peditions

MP4BHH "Tom" Should have his new CX-7 by now, and will be leaving shortly for parts in Asia — "Unknowns" QSL to W4MQG Gary 801 Chelwood Pl., Charlotte, N.C., 28210

ZK2AF "Wally" Has been very active on 4206 with M.C. (W6MOO) at 0600Z. Call in at 0500Z and wait your turn for a new one. QSL directly to W Christy Dept. of Ed., Niue Island, So. Pacific.

ZK1MA — "Tontie" — Has been active also with I.N.D.X.A. using the same procedures as "Wally". QSL to KH6GLU "Ed" — Box 762, Kaunakakai, Maui, Hawaiian Islands

ZM4ME & ZM4AF2 — These fellows will island hop thru the So. Pacific covering ZK2 ZK ZM7 ZLJ in early November. Tune 14.205 approx 0700Z for these rare spots

ZP9BY — Will be operated by K4SHB Vic, K4LIF John QCD XED) and chief op W4SRB (Gene) on CQWDX SSB on Oct. 21 & 25

PJOCW — Look for the Patonic Valley Boy to fire this one up in the CQWDX CW Nov 28-29.

160 Meter — This contest is for very high and strong wires. So this announcement is early so each one will not be unprepared

W4BRE 4 — (Gene) will open 160M on last full weekend in Jan. 71, working all day on 1805KC. A lot of effort is going back into this "Old Band", so join in the fun.

VK9FH — (Fred) will open up on 20M at New Guinea approx Nov 10. Xmit freq. 14.135 tuning 205-210 — will operate XCV also QSL to Fred direct at WOEBG

HOW ABOUT A NICE
BLACK & WHITE PHOTO
OF YOU & YOUR
STATION? Editor

NAVY MARS

By Bonnie Weiboldt WB4FSF
NOPJQ

South Florida has introduced a new area coordinator, George Levinston, N0LSV/GAL. He is a retired military man and knows what the government expects of us if called upon. Good luck to George and his competent staff, which has already had a good start.

Much work and planning by Win Baker N0ZAP went into the one-time net held for discussion of the emergency preparation of this District. All areas were represented, showing the great interest in this area of communication. This resulted in the appointment of Gus, N0ZAB as the Assistant Director for Emergency Communications. Congratulations Gus and good luck.

We would like to welcome Abe Winters N0ATX to Navy MARS. He will soon be publishing a bulletin for the district. This contribution to the program is greatly appreciated and we would like to thank him for all of his hard work and time.



All nets on Saturday evenings between the hours of 2:00-2:00 LOCAL time have been secured so that members would be able to copy the broadcasts from NAV. Members are encouraged to do so as there are many important items included in these broadcasts. Check your DNC for frequencies.

AIR FORCE MARS

By WB4BND-AFC4BND

As I write this the news from the conference held at Richards-Febaur AFB had not been released. However, our Region Traffic Manager "Doc" Ackerman AFC4DTV did release certain facts to me early that I might make my deadline for this column. My thanks to him for going out of his way to insure that I have the opportunity to get this out now, instead of a month later.

Chief MARS, Command MARS and representatives from regions 2, 3, 4 and 5 were present as well as TCON director and Mr Leger our new SCA manager. Several items were discussed that will effect us all in the near future. The latest forecast for the new edition of the AFM 100-15 is springtime. The new training manual should be out as you read this. A new computerized method of reporting activity to replace the present form 81a will be implemented shortly. The whole TCON structure will be drastically changed after the first of the year. Frequency wise, we didn't do too well. As it now stands, we will have 4.58.5 MHz as our voice frequency, with 3.2935 MHz as an alternate. RATT and CW will share 3.3470 MHz with Army MARS (our time 2300-0100Z) with 2.0400 MHz as their alternate.

Now a most appropriate note from our Region 2 Youth training manager.

"Don't complain about youth, help lead them. Persons interested please contact Gary Jacobs AFB4PDM, 11180 S.W. 60th Terrace, Miami, Florida 33143, Region 2 Youth Training Manager. Local schools, Churches and youth groups can use your skills. Help now, and you won't have to complain later. Applications will be processed as soon as the SOUCOMMAREA re-activates the Youth training Manager."

For those of you not aware of it, the Air Force supports this program very well and considers it important to develop and train these youngsters as future MARS members and useful citizens and we don't do badly in acquiring many new Amateurs either. So here's your chance to take advantage of Gary. He's offered to grease the way. Let's see if you can make him holler uncle. It will take a lot of you though, so the sooner you get started, the better.

AMATEUR AND SURPLUS EQUIPMENT
AT OUR NEW LOCATION

1665 W. 33rd PLACE
HIALEAH, FLORIDA 33012
Our New Phone No. 305 - 821-5802

LARGER FACILITIES

H S ELECTRONICS, INC.
(THE HAM SHACK)



Florida SKIP DIRECTORY

Each month you will find the following listings. Keep it handy ARRL Officials are listed free. Florida Nets are listed free upon notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere). Any individual may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

ARRL LISTINGS

Director, S.E. Division
H. DALE STRIETEN, W4DQS
921 Trinidad
Cocoa Beach, Fla. 32931

Vice Director, S.E. Division
CHARLES BOLVIN, N4KQ
2216 N.W. 27th Lane
Miami, Florida 33133

SCM E. Fla.
JOHN F. PORTER, W4GJ
P.O. Box 7207
Miami, Fla. 33155

Asst. SCM E. Fla.
Albert Hamel, K4SJH
220 N.E. 25th St.
Pompano Beach, Fla. 33064

SCM West Florida
FRANK M. BUTLER, Jr. W4RKH
213 Elliott Rd., S.E.
Ft. Walton Beach, Fla. 32548

SEC East Florida
ANDY CLARK, W4IYT
41 Lonsape Drive
Miami Springs, Fla. 33166

SEC West Florida
G.D. McKECHNIE, W4BCH
1000 N. 6th Street
Chipley, Florida 32428

Asst. SEC East Florida
KEN STEWART, W4SJK
2207 Maple Ave.
Ft. Myers, Fla. 33901

NET LISTINGS
QFN (All Florida)
7:00 p.m. and
1000 p.m. loc. daily 3651kc.
Net Mgr.: K4VFX

FSBA Sundays
5 p.m. on 3940 kc.

FSBEN Wednesday
7:30 p.m. on 3940 kc.

KNIGHTS OF KILOCYCLE,
Sundays
7:30 a.m. on 3910 kc.

STATE QCWA NET
Mon, Sunday, 7254 KHz

MOONPORT MICROWAVE
ASSOCIATION NET
Sundays at 2100 EST
Frequency 145.5 mhz.
Net Manager - W2BCE3HG

GATOR NET (GN)
Daily 8:30 a.m. on 7125 kc
Net Manager: W4LA

TROPICAL PHONE TRAFFIC
NET (TPTN) Daily except Sun.
5 p.m. on 3940 kc.
Net Manager: W4HNL

FLA. AMATEUR SIDEBAND
TRAFFIC NET
(FAST) Daily except Sat.
6 p.m. on 3940 kc.
Net Manager: W4AFT

WEST FLORIDA PHONE NET (WFPN)

6 p.m. on 3937 kc. (23062)
Net Manager W4MGG

FLA. PHONE TRAFFIC
NET Mon. thru Sat.,
7 a.m. on 3940 kc. Net
Mgr: W4HNR

FLA. MIDDAY TRAFFIC NET
Daily except Sun. at 12 noon
On 7254 kc. Net Mgr. W4SDR

NOVICE HURRICANE NET
(NHN) Sat. & Sun.
2:30 p.m. on 7185 kc.
Net Manager: W4N4CH

GOLD COAST EMERGENCY NET
5 Mhz. 50.45 mc Mon 2000 local
2 Mhz. 145.23 mc Tues. 2000 local
WBCKY, KC Broward Co., Mgr.

FLAMINGO NET
Friday, 7:30 P.M.
20.04 AM
Net Manager: W4GJ

CLUB LISTING

BROWARD AMATEUR RADIO
CLUB W4AB
2nd Wed. of month, 7:30 p.m.
Broward County Courthouse
Mailing Address: P.O. Box 8673
Ft. Lauderdale, Fla. 33310 More info. call
522-1517, 584-1277

LAKE AMATEUR RADIO ASSN.,
INC. W4YKY
Meets each Thurs., 8 p.m. EST
Clubhouse, Springdale Ave.,
Bassville Pk., between Leesburg
and Tavares, Florida
Mail to Sec., 1270 Shandon Rd.,
Mount Dora, Fla. 32757
Phone: 383-4548

HILLSBOROUGH AMATEUR
RADIO SOCIETY, INC. W4GJ3
Meets 4th Tuesday, 7:30 P.M.
Odd Fellows Temple
620 Nebraska Ave., Tampa, Fla.
Mail to 12915 Veronica Ave.
(33612) Visitors always welcome

DADE RADIO CLUB, INC.
(W4NYU) 1st & 3rd Tuesday,
Museum of Science 8 p.m.
2280 So. Miami Avenue
Miami, Florida
Mailing address: P.O. Box 73
Biscayne Annex
Miami, Florida 33152

NORTH FLORIDA AMATEUR
RADIO SOCIETY W4IZ
1st Thursday, 7:30 P.M.
Duval CD Headquarters
107 Market Street
Jacksonville, Fla. 32202

ST. PETERSBURG AMATEUR
RADIO CLUB, Inc. W4GAC
Meetings: 1st Friday
Azalea Community Center
1400 — 12nd St., Np.
Mailing Address: P.O. Box 4025
For information phone:
345-0464 or 826-4294

ORLANDO AMATEUR RADIO
CLUB, INC.
3rd Wed., 8:00 p.m.
First Federal Savings & Loan
on Edgewater Drive Mailing
Address: Box 13287,
Orlando, Fla. 32809
2 Meter Net — 145.350 kHz
Mon. thru Thur. 7 p.m.
More info: call 644-9866

FLORIDORA YLA (W4FE)
All licensed Florida YLA invited to join.
Mailing Address:
W4KOH — Ernie McMaisters
Rt. 1, Box 551
Lake Placid, Fla. 33953
14002 on 203 Tues. and
Wed. 8 p.m.

GAINESVILLE AMATEUR RA-
DIO SOCIETY, K4DPZ 1st Tues.
8:00 p.m., Alachua CD Head-
quarters Basement, County
Court House, Mailing Ad-
dress: 1421 SW 11th Ave.,
Gainesville, Fla. 32601

TAMPA AMATEUR RADIO
CLUB, INC. W4JUG
Meetings: 1st & 3rd Mondays
7:30 p.m.
Club House: Davis Islands,
Columbia & Barbados
Mailing Address: 943 Cimmeron Ave.,
Tampa, Fla. 33605

SARASOTA AMATEUR RADIO
ASSN. INC.
meets 2nd Tuesday of each month 8 p.m.
At Sarasota Federal (S Gate Branch)
Club Call W4IE in memory of Charlie
Service

WEST PALM BEACH AMATEUR
RADIO CLUB, INC.
P.O. Box 6834
Southboro Station
West Palm Beach, Florida 33405
Meetings: First Wednesday of each month
— 7:30 P.M.
803 Newark Street
West Palm Beach, Florida 33401
Information: Call 832-0775; 582-2337.

BISCAYNE AMATEUR RADIO CLUB.
2nd Wed. of month, 8:00 P.M. W4VMT
Village of Miami Shores Courthouse
10050 N.E. 2nd Ave.
Mailing Address: P.O. Box 305
Miami Shores, Fla. 33153

DAYTONA BEACH AMATEUR RADIO
ASSOC. K4BV
Meets 3rd Mon. each month
American Red Cross Bldg.
800 Volusia Ave.
Mail: P.O. Box 1608
Daytona Beach, Fla. 32115

GULFSTREAM SOCIETY OF AMATEUR
RADIO OPERATORS, INC. — W4FFPB
Meets 2nd, 3rd & 4th Fridays
7:30 p.m. Room 21, Civic Auditorium
Mailing Address: P.O. Box 461
Lake Worth, Fla. 33460
Phone: 582-3878

HOLLYWOOD AMATEUR RADIO CLUB,
3rd Monday of month at 8 p.m.
Science Lab, Chaminade High School,
Nat. Ave. and Johnson St., Hollywood
Mailing Address: P.O. Box 6306,
Hollywood, FL 33021
Visitors always welcome.

PERSONAL LISTING

Sandy Donahue, W4ABY
P.O. Box 1082, Hialeah, Fla. 33111 "Get
someone to subscribe to SKIP."

SUPPORT

FLORIDA SKIP ADVERTISERS



HERE IS JACK SIX, W4YPA of Deltona busy checking QCWA members on the Statewide QCWA net which meets each Sunday at noon on 7254 KHz. All QCWA members are invited to check-in.

(Photo by Eileen Terry.)

INTRODUCING
THE
DELUXE
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COLLINS

32S-3	\$25.00
312 B-3	25.00
32S-1	\$25.00
351 D-2	89.00
75S-3	\$89.00
316F-2	115.00

DRAKE

RV-3 VFO	39.00
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EICO

\$59 (5" Scope)	25.00
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GALAXY

Galaxy V Mark II	225.00
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GENERAL ELECTRIC

Pacer 2 meter FM (FMR) 15 Watt	125.00
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GONSET

Comm. IV 6 meter	109.00
77 A w AC-DC	49.00
Comm. III 6 meter	89.00

GLOBE

Scout	29.00
Chief Deluxe	29.00

HALLICRAFTERS

HT 37	139.00
HA 19 (LF Conv. SX 117)	19.95
S-40B (asis)	29.95
SX 101 MK III	118.00

HAMMARLUND

HQ-170 AC w Arneco 6 meter pre-amp	159.00
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HEATH

SBA-300-36 meter conv.	15.00
SB-100 AC	425.00
HR 20 w DC	99.00
VHF 1 (asis)	69.00
HW 10 6 meter	89.00
HD 11 "Q" multiplier	8.00
HO-13 Ham Scan	69.00
IM-25 VTVM	69.00

KNIGHT

G-30 Grid dip meter	15.00
P-2 SWR Power meter	15.00

LAFAYETTE

HE 45 B	39.00
HE 61 VFO	9.95

NATIONAL

NC 188	89.00
NCX 1000, sealed carton, special sale	795.00
NC-270	89.00
SBE	
SB-34	240.00

SWAN

350 C w AC'	349.00
500 w AC	469.00
TB 1000-4 Ant. New	129.00

NEW ROHN 71 FOOT FOLD OVER TOWER, REGULAR \$395, PREPAID SHIPPING \$269 complete

NEW ROHN 51 FOOT FOLD OVER TOWER, REGULAR \$321, PREPAID SHIPPING \$195 complete

TIMES WIRE, Low Loss T-450 Coax 14.50 for 100 Ft.

HIGHEST TRADES! NO ONE ANYWHERE will beat our deal! We will TOP any advertised or written price from any other dealer. We trade on both new and used equipment and we service what we sell. Instant credit on both new and used equipment. General Electric Revolving Charge and Master Card Credit.

AMATEUR - WHOLESALE ELECTRONICS

A DIVISION OF



International Electronic Systems, Inc.

OUR NEW ADDRESS IS:

IMPORTANT! NEW ADDRESS: 8816-8817 S.W. 129 TERRACE, MIAMI
305/233-3631



HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateur, at a rate of 25 cents or more for five (5) lines and 5 cents a word thereafter. There are approximately seven words to a line. Return ads must be resubmitted each month. NO dollar for 4 runs, etc.

Non-subscribers rate is \$1.00 for 5 lines and 5 cents each additional word.

To Commercial Business: Classified, undisplayed — 30 cents per line; Illustrative or General Display with border — \$3.50 min., \$60 page; Initial cost of cuts, additional. Cuts furnished, no charge. Deadline 10th of month.

An Advertising inch is measured 7/8" vertically on one column, i.e., 4 columns — 40 column inches to a page. Rate card by column inch supplied upon request. FLORIDA SKIP, Advertising Department, P.O. Box 501, Miami Springs, Fla.

TRANSFORMERS REWOUND. JESS PRICE, W4CLJ, 411 GUNBY AVE., ORLANDO, FLA., 32801. PHONE (305) 425-7251.

WANTED: Desperately need schematic diagram for Globe Chief Transmitter. Please phone or write Ed Benak, W4QAL, 1262 NW 1st St., Miami, Fla. 33109. Phone 625-3830.

FOR SALE: Heathkit Apache transmitter 70 watts and 180 watts. \$45. Hammurud HQ 110AC receiver in mint condition \$100. Midland SWR meter \$6. W. Edwards, W4PGA, 1001 Oriole Ave., Miami Springs, Fla. 33066. Phone 877-2096.

QSL'S hand-printed. Small selection but good service and prices. Samples 4c. Dick Stauffer, K4DVW, 480 N. Banana River Drive, Merritt Island, Fla. 32952.

FOR SALE: CDR Rotor A1 Condition \$30. W. Stuart, W4RCQ, 1140 NW 11 Way, Hollywood, Fla., 33024. Phone 987-8045.

WANTED: Collins KWM2 with power supply, must be clean and late vintage. Ted R. Yagle, 1337 S.W. 21st Terrace, Fort Lauderdale, Fla. 33312 305 587-0000 or Miami 940 2832.

FOR SALE: Complete Collins 5 Line Station including KWM-2 and 30S1. Motorola Dispatcher FM 2-way radio and GE mobile radio 60 watt FM 134-174 mhz. J. E. Andrews, W4IMZ 601 E. Acre Drive, Plantation, Fla. 33312 305-581-5500.

FOR SALE: Eico 666 tube tester, (like new) \$65. Heath Cheyenne xmitr and P.S. \$45. Altec 3428 35 watt mix-amp \$35. TA-33 Sr \$40. Hy-Gain 4 el tri-band \$25. Ricky Maceda, 925 93d Ave., Tampa, Fla. 33612 Ph. 932-7718.

FOR SALE: Heath DX-60 Transmitter with Heath HG-10 VFO. Mosley NS-3 El Toro antenna with pulleys and rope. Heath IG-42 Lab Signal Generator. Jim Merrill, W4LRN, 250 N.E. 51st St., Miami, Fla. 33137. Ph. 758-5826.

FOR SALE: A-4 receiver. GSB 100 xmitr. Both mint condx. Frank Barker, 6390 17th Street N., St. Petersburg, Fla. 33702

FOR SALE: TA-36 beam; \$75.00. Ham 34 rotor and control \$75.00. 80 foot Aluminum tower, crank-up, hinged base, guyed \$200.00. Package deal \$225.00. S. A. Traeger, 14400 SW 61st Ave., Miami, FL. Phone 335-3018 after 5 p.m.

CUSTOM BUILT ham radio desks, any size, dimension for your gear in any style. What would you like? Give me a call at 671-9954. Nelson Lawhorn, WB4QMF, 2306 Gresham Dr., Orlando, Fla. FL 32807.

FOR SALE: Swan Cygnat 260 with mike. One year — never used as mobile. Hear it on FMTN. \$335. Dick Stauffer, K4DVW, 480 N. Banana River Dr., Merritt Island, Fla. 32952.

MUST SELL: Rustler Newtronics 4 band trap vertical. Perfect, cost \$42, sell \$35 or best offer. Consider trade. W4RPR, Jon Croke, 1218 Valencia Ave., Coral Gables, Fla. 33134 Ph. 446-1146.

FOR SALE: Johnson Viking 6N2 meter transmitter, Eico 700 modulator, power supply, 6N2 converters (AMECO) and PSI power supply. All connecting cables and manuals, antenna relay \$125. Joe Petters, WB4KSD, 9425 SW 31 Place, Cooper City, Fla., Phone 381-6901.

FOR SALE: Heath HR-14B. Excellent condition. Includes HRA-10-1 crystal calibrator. \$70. Ed Benak, W4QAL, 1262 NW 1st St., Miami, Fla., Phone 625-3830.

NOTICE: MEDICARE SSB NET meets Monday thru Saturday, 0900 EDT on 50, 150 MHz SSB (upper) and nightly at 143.150 MHz USB. Details from F. J. Shannon K4CT, 142 Bosphorus Ave., Tampa, Fla. 33605.

FOR SALE: Galaxy 550, RV-550 remote VFO, AC 440-PS, SC-550 speaker, cab. all 6 months old. \$775 retail, need cash will take \$450.00. Al Elmore, W4HGO, P.O. Box 848, Braden, FL 33531 Phone 509-5805.

FOR SALE: LA-1 Linear amplifier with Hermetic outdoor power supply 15-30 watts drive, 400 watts output \$35.00 you pick up. Ken Aiken W4FIQ, 1110 Lakeview Ave., Tavares, Fla. 32780.

FOR SALE: Heath HG-72 Audio Generator New. Ed A.L. Hamel, K4SJH, 220 NE 25th St., Pompano Beach, Fla., 33064. Phone 941-5480.

HELP WANTED: Old established company has an opening for a permanent employee with a knowledge of radio parts and equipment. Licensed Amateur radio operator will be given preference. Give full details in writing to FLORIDA SKIP, Dept. W, P.O. Box 501, Miami Springs, Fla. 33166

FOR SALE: Perfect pair. Transmitter. Genset GSB-100, SSB AM CW FM, 100 watts, 20 thru 10. Receiver. National NC-303 (dream receiver) with 100 kc calibrator, matching speaker and converter cabinets, manuals. Cost over \$1,000.00 new, asking \$275.00 for both or \$150.00 each FOR. Marshall Goldblatt W4EMB, 11801 SW 70th Ave., Miami, Fla. 33156 After 7 pm call 305-466-6907.

FOR SALE: KWM2 AC supply \$586.00. SB-200 for \$175.00. O. L. Joiner, Box 775, Aischua, FL 32615 Phone 463-1597 after 5:30 PM.

ESTATE SALE: HW-170 receiver, Johnson Viking II, Linear HT-31A. DX-60, RME 152 converter, Mosley TA-33, 3 element beam, Melosner Signal Shifter, Sony mike C-37A. Make reasonable offer. Mrs. Ted Seamans, 834 - 3rd St., North, Safety Harbor, FL 33571 Phone 726-3268.

FOR SALE: Collins 32S2 xmitr, mint, 5-8 13960, w-manual \$475. Want - 312B-4.5 Fred Huff, W4PLM, 3310 NW 38th Ave., Ft. Lauderdale, Fla. 33311 Ph. 305-733-1205.

FOR SALE: Hallicrafters SX-100, Drake 2NT transmitter, mini vertical C4, 6-20 Meters, Army type code machine with tapes, all in excellent shape with manuals. Make offer. Ed Peckham, 261 So. Golf Blvd., Pompano Beach, FL 33064 Phone 941-4911.

FOR SALE: COLLINS 75A-4 with two filters in excellent condition \$250.00. Six foot cabinet with pull out operation table large casters, 110 v.a.c. outlets and rear door complete \$10.00. National 200 transceiver \$250.00. Ron Gamel K4JXL, 8634 Raleigh St., Hollywood, FL Day phone 587-4541, nite 941-4726.

FOR SALE: GONSET Communicator II, 3 meter transceiver. Heath HG-10 VFO. Hallicrafters SX-101 receiver. All good condition. SWAP or sell. Make offer. A. W. Tyler, W4IEB, 3415 NW 5th St., Gainesville, FL Phone 904 372-5888 after 5 PM.

FOR SALE: Complete factory reconditioned Galaxy 5 MK 3 RV-1 VFO, xtal calibrator, speaker cabinet a.c. and d.c. supplies, hybrid phone patch. Heath HM-11 reflected power meter \$8.00. Western Electric VTM \$6.00. Transister variable power supply 8.2 to 38 volts \$8.00. Telrex 30 meter moon beam and work shop 10m meter beam. \$35.00. Jack Six W4YPA, 1081 Cobblestone Ave., Deltona, FL 32723. Phone 305-668-8281.

FOR SALE: HALLIDAY SX-62A with speaker in mint condition \$25.00. Assorted used xtals, FT-242 for amateur frequencies and 5 mc for 6 meter \$1.00 each. Professional quality stereo cassette deck \$55.00. S&N Electronics Inc. 1302 N.E. 2nd Ave., Miami, FL 33135. Phone 374-2228.

FOR SALE OR TRADE: Hallicrafters SX-117 rcvr in very good condition \$175.00. New Concord 50-D stereo deck \$85.00. Hand crank Generator GN-58A in new condx \$25.00. Signal generator I-222-A, 8-15 & 150-230 Mc. \$85.00. FM transceiver RC-1195 for 4 or 12 VDC input, two channels 27-38 mc. \$25.00. ARB received 195-950 kc with built in 110 v.a.c. in new condition \$40.00. Power supply 110 v.a.c. 24 DC at 5 amps build for military use. \$15.00. Norman Gerber W4ZHT, 690 N.E. 81st St., Miami, FL 33138 Phone 305-758-2658.

FOR SALE: HQ-125X, good condition \$65.00. Viking II, very clean. \$65.00. BC-221 AK freq meter with modulation and power supply \$60.00. John F. Porter W4KQJ, 6980 SW 51st St., Miami, FL 33153.

FOR SALE: Hy-Gain 2-BDQ 30-40 meter dipole traps - 8.00. Knight P-2 PWR-SWR meter - 8.00. W. Herbert Combs, W4EB, RR 31, Box 727, Jensen Beach, FL 33457.

WANTED: Collins 75A-4 200 cps and or 2.1 kc mechanical filter. 70HI PTO. Don Murray, K4FMA, 1780 N.E. 148th St., N. Miami, FL 33161 Phone 305-447-7725.

FOR SALE: Eldico 100F 80-10 USB LSB. Eldico 1000-F Collins 75A-4 with 800; 3900; 6000 hz filters. Exciter spare tubes included. Package deal only. FOB Miami \$450.00. Hud Gillis, W4UEL 15420 SW 62d Ave., Miami, Fla. 33156. Phone 305-661-1234.

FOR SALE: COLLINS 100 KHz. plug in xtal calibrator for 75A1-2-3-4. \$12.00. Johnson 100 kc calibrator, switch and instructions \$12.00. Coax relay, with DPST switch, 6 VDC \$5.00. Percent Modulation 0 to 100 percent (with 0-1 ma scale) 3 inch round \$3.00. Sprague 12000 MFD. can. 11 VDC. \$2.00. AMECO 4 meter converter Model CB-6 with xtal, tubes, coax nector etc. \$12.00. 40 meter center loading coil, total 32 ft. required, not 60 feet. ARC-5, 1.95-5.3 5.3-7.1, and 7-8 Mc \$7.00 each. All FOB, Andy Clark, W4IYT, 41 Lemape Dr., Miami Springs, FL 33166. Phone 888-3874.

WANTED: RITTY model 26 parts and manual for WA4IGA, club at Broward Junior College. Phone Mr. Pender, Broward Junior College, 3501 SW Davie Rd., Ft. Lauderdale, Fla., 33314. Phone 381-8700 Ext. 261.

FOR SALE OR TRADE: Collins 312B-4, new, \$125. Will trade for E-Z Way crankup tilt-over tower with mounting post. Arthur W. Lee, WB4MZH, 2217 Hampton Dr., E. Holiday, Fla., 33529. Tel. 937-1281.

FOR SALE: Hallicrafters SX-100 with manual. General coverage, T-Notch crystal calibrator, etc. A-1 condition, \$125. Ken Trainor W4HPR, 350 Berkshire Rd., Daytona Beach, Fla., 32014.

FOR SALE: New resistors all 5 percent and 1 percent tolerance. Standard values with gold leads. Bag of one hundred \$1. Bag of 600, Five dollars. Each bag contains assorted values. Phil LaMarch K4ZKK, 3065 N. Highland, Apt. 312 E-1, Clearwater, Fla., 33515.

FOR SALE: SB101 and power supply like new excellent condition. \$450 or offer. 30 ft. tower \$50. TR44, \$50. three element quad — gem, \$75. Alan Brookstone, WB4DYN, 14001 NW 19 Ave., Miami, Fla. Phone (305) 621-3026.

QUESTIONS ABOUT TRANSISTOR CIRCUITS ANSWERED

101 QUESTIONS AND ANSWERS ABOUT TRANSISTOR CIRCUITS by Leo G. Sands. This book answers 101 of the most commonly asked questions about the uses of the transistor in circuits. It explains transistor biasing, transistor nomenclature comparisons with tubes, power supply requirements, the three basic circuit configurations, input and output impedances, current gain and voltage gain, and other basic considerations. Additionally, the book covers power supplies and circuits, of circuits; rf circuits; and oscillators.

Catalog No. 20782. Size: 128 pages; 5 1/2" x 8 1/2"; soft cover. List Price: \$3.50, from Howard W. Sams & Co., Inc., 4300 W. 62nd Street, Indianapolis, Indiana, 46268.

APT (automatic picture transmissions)

By Tom Middleton, WB4CKY

Satellite communications to all types lend excitement, intrigue and knowledge to those who are interested. Here at station WB4CKY we have a great interest in APT. I am sure that everyone has at some time or another seen the "ESSA 8" pictures.

If you have interest in recording these signals you need an antenna (Yagi will do), FM receiver and readout device. Of all systems experimented with at this station I recommend the circuits of W7UGV, (QST June 69) All circuits are straight forward and self explanatory. Most bits and pieces are already on hand in most ham shacks.

Now some facts. Where can one get information on weather satellites?

U.S. DEPT. OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICE ADM.
NATIONAL ENVIRONMENTAL SATELLITE CENTER
WASH. D.C. 20233

Request APT users guide from Govt. printing office (\$2.25)

NASA:

Goddard Space Flight Center
Greenbelt, Md. 20771

Request publication X-730-67-240: "Construction of Inexpensive APT Ground Station"

The meteorological satellite program of the U.S. is made up of two agencies. ESSA & NASA. ESSA does the operational work while R&D falls to NASA.

As of May 79 our weather satellites that were in operation were ESSA 8, and 9, Nimbus III & IV, & ITOS-1. ESSA 9 is an AVCS spacecraft and does not transmit data which can be received on APT gear. (See chart for data on above Spacecrafts.)

ESSA 2 was placed in a standby position in March 79 because it caused QRM to ITOS-1 telemetry. It can be reactivated on command from earth.



RUSSELLE ("RUSTY") SYKES, W4BRB of North Palm Beach, Fla., and son of W4BRB: Elected to Seat No. 89 in the Fla. House of Representatives in the Sept. 8th. primaries. Rusty, professionally an E.A.L. jet pilot, promises to be alert for future legislation pertaining in any way to Amateur Radio.

OPEN MIKE

On Thursday, August 13th at 1330 to 1343Z, ye ed happen to have a receiver tuned to about 7243 kHz SSB. All of a sudden a voice appeared on frequency. He was apparently talking to a visitor he just brought into his ham shack. The voice said "come on in, I'll show you around . . ." The conversation continued for several minutes between the two persons about this and that. Then, the owner of the station said "and over here

is my rig . . ." After about 10 or 15 seconds — Hello testing 1-2-3-4. No ID was given. The voice sounded to be in it's late 50's or 60.

How is your VOX working OM? Why not switch it off while not in QSO?? It's not funny to hear someone sneeze, the telephone ring, a dog bark, a door slam, people fighting in the next room and such things in the middle of a net or F5BN program. OK? Thanks.

Mexico as an aid in forecasting a potentially dangerous flood situation, in Canada, Alaska and Antarctica for ice reconnaissance, and for meteorological, hydrologic, and oceanographic purposes. Needless to say Florida uses APT to follow all storms.

The cost of an APT station can run as high as \$80,000 or as little as \$300. Most amateurs have tracking stations for even less than this.

The ARRL, through W1AW, provides orbital data of spacecraft passes over the U.S. This information is transmitted via phone, CW, and RTTY on their OBS Sheds.

Smile — you are on A.P.T. — 73 Tom

Satellite	Readout Sensors	Freq. (Mcs)	Inclination	Period	Height mi
ESSA 8	APT	137.62	101.8°	114.7 minutes	783 790
Nimbus III	DRID	136.95	99.9°		107.3 578 612
Nimbus IV	DRIR	136.95	99.9°		107.1 589 591
ITOS-1	APT	137.5	102.0°		115.1 774 788
ATS-1	WEFAX	135.8	2.3°	24 hrs.	19,327
ATS-3	WEFAX	135.6	0.5°	24 hrs.	19,354



ESSA 8 is operational and is the primary APT satellite. Pictures are taken with camera 1, camera 2 pictures appear displaced. Pictures are taken on the southbound portion of the orbit. Beginning about 28 minutes before the spacecraft crosses the equator and continuing for about 15 minutes after the crossing. The eight picture sequence starts near 76 degrees N and ends near 44 S.

There are about 500 APT receivers in operation around the world. Many are operated by government agencies the majority of them are used by private individuals business and universities.

APT pictures are used on TV and in newspapers as a means of describing weather to the public. They have also been used in